

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method of dynamically managing a multiprocessor computer system, comprising:

searching a storage area on multiprocessor computer system for at least one predetermined installed software application;

determining a set of executable processes that are related to the software application;

grouping the installed software application and the set of executable processes into an application group; and

defining an affinity mask for the application group;

dynamically managing the affinity mask for the application group by adding and removing processors from the affinity mask using priority values for the grouped installed software application, wherein the affinity mask is adjustable during system operation as a function of CPU utilization.

2. (Original) The method of claim 1 wherein the step of searching comprises searching for registry entries that contain at least partly qualified paths to directories where executables of each of said predetermined installed software applications reside.

3. (Original) The method of claim 2 comprising determining at least one application/directory relationship for a predetermined installed software applications; and

determining if the application directory contains an executable application for inclusion in the application group.

4. (Original) The method of claim 2 wherein said step of searching registry keys includes the step of looking in at least one directory pointed to by the registry.

5. (Original) The method of claim 4 wherein the at least one directory comprises at least one of: "SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall", "SYSTEM\CurrentControlSet\Services", and "SOFTWARE\Microsoft\Windows\CurrentVersion\App Management\ARPCache".

6. (Original) The method of claim 2, wherein said step of search registry keys includes the step of searching for a key that contains a fully qualified path to executables of said at least one predetermined installed software application.

7. (Original) The method of claim 6, wherein said step of searching for a key that contains a fully qualified path to executables of said at least one predetermined installed software application comprises searching in at least one of the following directories: InstallLocation, ImagePath, and Services.

8. (Original) The method of claim 1, wherein said at least one predetermined installed software application comprises at least one of the following software applications: SAP, SQL 2000, IIS 5.0, Oracle IIS 6.0, and Microsoft Exchange.

9. (Currently Amended) A system that dynamically manages the workload of a multiprocessor computer system, comprising:

an application locator module, executable on a partitioned multiprocessor computer system, that searches registry keys of the partitioned multiprocessor computer system for at least one predetermined installed software applications-whose execution is to be limited to processors defined by an affinity mask; and

a user interface module that presents any found predetermined installed software applications to a user for affinity masking of said at least one predetermined installed software application, wherein the affinity masking is adjustable during system operation as a function of CPU utilization.

10. (Previously Presented) The system as in claim 9, wherein said application locator module searches in at least one of the following directories pointed to by the registry:

"SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall",

"SYSTEM\CurrentControlSet\Services", and

"SOFTWARE\Microsoft\Windows\CurrentVersion\App Management\ARPCache".

11. (Previously Presented) The system of claim 9, wherein said application locator module searches for a key that contains a path to executables of said at least one predetermined installed software application.

12. (Previously Presented) The system of claim 11, wherein said application locator module searches in at least one of the following directories: InstallLocation, ImagePath, and Services.

13. (Previously Presented) The system as in claim 9, wherein said application locator module searches for at least one of the following predetermined installed software applications: SAP, SQL 2000, IIS 5.0, Oracle, IIS 6.0, and Microsoft Exchange.

14. (Currently Amended) A computer-readable storage medium bearing computer readable instructions for a multiprocessor computer system for carrying out the acts, comprising:

searching a storage area on multiprocessor computer system for at least one predetermined installed software application;

instructions determining a set of executable processes that are related to the software application;

grouping the installed software application and the set of executable processes into an application group; and

defining an affinity mask for the application group;

dynamically managing the affinity mask for the application group by adding and removing processors from the affinity mask using priority values for the grouped installed

software application, wherein the affinity mask is adjustable during system operation as a function of CPU utilization.

15. (Previously Presented) The computer-readable storage medium of claim 14 wherein the act of searching comprises searching for registry entries that contain at least partly qualified paths to directories where executables of each of said predetermined installed software applications reside.

16. (Previously Presented) The computer-readable storage medium of claim 15 comprising instructions for determining at least one application/directory relationship for a predetermined installed software applications; and  
instructions for determining if the application directory contains an executable application for inclusion in the application group.

17. (Previously Presented) The computer-readable storage medium of claim 15 wherein said step of searching registry keys includes the step of looking in at least one directory pointed to by the registry.

18. (Previously Presented) The computer-readable storage medium of claim 17 wherein the at least one directory comprises at least one of:  
"SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall",  
"SYSTEM\CurrentControlSet\Services", and  
"SOFTWARE\Microsoft\Windows\CurrentVersion\App Management\ARPCache".

19. (Previously Presented) The computer-readable storage medium of claim 15, wherein said step of searching registry keys includes the step of searching for a key that contains a fully qualified path to executables of said at least one predetermined installed software application.

20. (Previously Presented) The computer-readable storage medium of claim 19, wherein said step of searching for a key that contains a fully qualified path to executables of said at least one predetermined installed software application comprises searching in at least one of the following directories: InstallLocation, ImagePath, and Services.